

From owner-qrp-l@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: wb2vuo@juno.com (William K Hibbert)
Subject: [2625] Anonymous Model 100 Software
Message-ID: <19960813.180605.4263.1.wb2vuo@juno.com>

I received a cassette in the mail the other day, labled "CWTX.BA", but no return address, or enclosure other than a short note stating that this is a Basic CW generator for the Tandy Model 100 laptop computer. Unfortunately, the cassette is bound up, and I have a friend in the audio business trying to free it up.

I appreciate the free tape, but could the party that sent it please drop me a line here on the QRP-L ??

72/73, Keith, WB2VUO, QRP-L #582, Grid FN13ac
Trustee, KB2YTW/B 10 Meter Beacon (28.2860 MHz)
"In the Depths of the Great Bergen Swamp..."

wb2vuo@juno.com

From owner-qrp-l@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: James Robert Oxford <okie@america.net>
Subject: [2660] Argonaut 509
Message-ID: <Pine.SOL.3.91.960814201116.5649C-1000000@atl1>

I have an Argonaut 509 for sale with the following: TT digital readout model number 244, TT power supply model 210, TT mike that needs work. All of the following for 350.00. james kd4qhb

From owner-qrp-l@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: "Robert J. Gobrick" <rgobrick@nfld.com>
Subject: [2656] ARRL Lab Tests (LONG TEXT)
Message-ID: <2.2.32.19960814205658.0088af38@public.compuser.net>

QRP-L Gang,

I'd like to share with you all an email that I received from Ed Hare KA1CV, ARRL Laboratory Staff member, author of a great article in the recent QEX - ARRL Experimenter's Exchange magazine on Swept Receiver Dynamic Range Testing, one of the authors and testers of the QRP rig roundup in June 1996 issue of QST and A QRP'er - ONE OF US (very prestigious credential - hi).

After my last "outburst" on the qrp-l list here I made some "questionable" remarks about the level of testing that the ARRL Labs did for the rigs in

the June QRP review (and by the way this was not an official QST review - it was presented under the News and Feature section). In hindsight, and yes I deserved the #\$\$%&* feedback I got from the gang here, I thought I'd better go to the source of the ARRL Lab tests and that was Ed Hare KA1CV. With tail between legs, I sent off to Ed my questions and asked if he could take a few minutes to send a reply that he would share with us.

I first want to say thanks for the really nice reply that Ed sent and I also got another nice follow-up email from Rick Lindquist, KX4V (ARRL Technical Staff) who gave me better insight into the QST article. As both Rick and Ed pointed out the purpose of the article was to "highlight" some neat easy-to-build qrp kit transceivers that are out there in the market place. That QST did well and that has been a nice service to the qrp building community and I'm sure hams in general. What follows was some of my comments about the level of testing and again, as both Ed and Rick pointed out to me, the purpose of the article was not to be a "shoot-out" to see who had the better numbers. As I reread the article, I was wrong in placing that much emphasis on the "numbers". So anyway here is a Q&A from Ed. I hope it all helps us understand what it takes to do testing of rigs and I urge all, that if this interests you, then read Ed's article in QEX and let's do some talking here - I'm sure some of these great qrp kit manufacturers would love some feedback from us (we'll maybe not from me - hi).

So enjoy and thanks again Ed and Rick - 73/72 Bob V01DRB/WA6ERB

>Date: Tue, 13 Aug 1996 12:07:00 -0400
>From: "Hare, Ed, KA1CV" <ehare@arrl.org>
>Subject: Re: Lab Tests
>To: "Robert J. Gobrick" <rgobrick@nflld.com>
>Cc: "Craigie, Kay (Atlantic Dir)" <wt3p@arrl.org>
>
>
>Hi, Robert,
>
>Feel free to repost this as you see fit, or quote me in any QRP publication.
> I am always willing to share my views with my QRP buddies.
>
>It was nice to hear from a fellow QRPer, although of late I have been so
>busy with work, my "fixer-upper" house, fixer-upper Jeep (I am about halfway
>through welding new steel into the floor and body, so far I have installed
>18 pieces of metal), fixer-upper pickup truck and being the pit crew for the
>#59 "enduro" stock car that I have haven't been active of late.
>
>>Before I get into my question to you (and please allow that this is just
>>some questions that we'd like some help on when you get a break from your
>>busy work schedule at ARRL) I'd like to say that the ARRL did a great

>>service for us QRPers, and I believe for hams in general, by exposing them
>>to some surprisingly "hot" HF rigs with that article (and your review).
>>These rigs can even be built by the average mortal ham (are they any
>around?)
>
>Do note that this was run as a News and Features article, not a Tech
>article. All in all, a 6-page article in QST is an incredible amount of
>page space! Even at that, we had to pick and choose, and several of the
>companies offered other models, so there was, of course, room for more.
> IMHO, I think we did the correct balance between text and data.
>
>>My Question: Is it possible to use the ARRL testing procedure to evaluate
>>the QRP rigs in the ARRL review. I say that in that I was not happy with
>>the brevity of the tests (I know they take time) and as you can observe
>>from my "loud-mouth" post to the qrp-l group below I felt the ARRL did a
>>diservice by doing the test on these rigs the way they did (you may have
>>been involved so please don't let this offend you or anyone of the Staff -
>>just my observation). Maybe the test info should not have been included at
>>all. But my feeling is (and I may be in a minority) is that testing info
>>is important - I just happened to grab an old issue of QST (May 94) and
>>pulled out a review of a low end commercial rig - Yaesu FT-840 and those
>qrp rigs
>>were pretty close in performance. And that may surprise many folks.
>
>No offense taken; I am the boss of the fellow who did all the lab tests
>(Mike Gruber, WA1SVF, not a QRP'er, I am afraid). I agree, testing is
>important, but again, IMHO, we probably did the correct amount. First, I
>will start by explaining that all the testing was done in the ARRL Lab,
>using our calibrated test equipment and our "standard" test methods. (Our
>standard for receiver testing specs that we will use the closest possible
>bandwidth to 500 Hz, to level the playing field as much as possible from
>radio to radio.) While the radios were built by the reviewers, Mike Gruber
>inspected each kit and performed a complete alignment before it was tested.
>
>For the most part, we duplicated the applicable tests from our test series,
>or, alternatively, expected that the reviewers would uncover problems for
>us.
>
>The tests not performed were:
>
>2nd-order intercept point: All of these radios use bandpass tuning for the
>front ends. This generally means that 2nd-order IMD is not going to be a
>problem. None of the reviewers reported hearing any shortwave stations
>where they didn't belong.
>
>S-meter: Only 2 of the radios had an S meter. Most of us QRPers don't ever
>get to see them move anyway, at least not from the station we are trying to
>work. :-)

>
>Image and IF rejection. These tests could have been done. OTOH, none of
>the reviewers reported hearing any image or IF signals, so I guess it is not
>really a problem.
>
>CW keying: This one would have been nice, but we would not have been able
>to publish the photos because there was absolutely no way we could have
>extended the article past 6 pages.
>
>T/R turnaround: This one is an important test for those who want to use
>AMTOR on HF. :-)
>
>Transmit phase noise: Ditto the comments on can't extend past 6 pages.
>
>We DID test the most important functions, IMHO:
>
>Power requirements:
>Tuning range
>Power out
>Spectral purity (we stopped publishing spectral plots some years ago)
>Sensitivity
>Blocking dynamic range
>Two-tone dynamic range
>IF/audio bandwidth
>Audio output power
>
>Had we done and published a "full" test battery, we would have only had room
>for 4 radios. IMHO, these "mini" reviews are a valuable service and, if it
>lets us publish more info than we could using the "standard" review format,
>I think it is a good thing, indeed.
>
>>Anyway - I'd appreciate your thoughts (or some folks in the Lab there) on
>>testing these QRP rigs by the "standard" ARRL methods. Is it valid? Do
>>you need to offer some more "conditions" - ie is the IF/audio responses valid
>>since some rigs have 3 or 4 IF crystal filters with an af filter to follow.
>>I'm playing devil's advocate here so please excuse my probing.
>
>I never consider questions as "probing." Our Members have every right to
>expect tha they can ask us to justify those things we do on their behalf.
>:-) Actually, many radios achieve selectivity with a combination if IF and
>AF filtering. For the most part, the effect on receiver sensitivity is
>about the same. The real difference is in the IMD and blocking performance
>of the radio; as you saw in the QEX article, the LOCATION of the sharp
>filtering can have a significant effect on the IMD level at any particular
>spacing.
>
>>Finally Ed if you want I can help get some of your (and the ARRL Lab Staff)
>>feedback in print via the QRP Amateur Radio Club International "QRP

>>Quarterly" or in the New England QRP Club newsletter "72" is you want - but
>>feel free to say no if that is not allowed by your employer. Other wise
>>I'd certainly like to know because I believe some of these designs - like Dave
>>Benson's NN1G etc are really neat and have certainly put the "spark" back
>>into my hobby.

>

>Sure. All in all, I think that QRP receives excellent coverage in QST and
>other ARRL publications. A survey we did a few years back indicates that
>only a small percentage of hams operate QRP (as we all know when we get on
>the bands), yet many of the construction projects are well suited to the
>QRPer. This is, I am surmising, probably because, as we all know, QRP lends
>itself nicely to homebrew projects.

>

>When ARRL made the decision to do an abbreviated test series and writeup on
>the QRP rigs featured in the June article, we did not make that decision
>because they were QRP radios; the decision was based on the price class and
>complexity of the equipment. In a "full" review, you will often see
>less-expensive or less-complex equipment given a single page, or less. You
>have all probably noted (at least those that are current ARRL Members) that
>we did a "full" review on the Index Labs QRP Plus transceiver in the
>September 1996 issue. (Those that are NOT League Members should run to the
>newstand and pay full cover price, or call me at ARRL HQ and I will sign you
>up for Membership and mail a September issue to you First Class as a
>thank-you!) . This is a multi-band, multi-mode radio, \$695.00 price-class
>radio, which we correctly deemed to be appropriate for a full-size review.

>

>ARRL would like to hear from QRPers. Did you like the June and September
>QRP writeups? Do you prefer the "mini" review on a lot of rigs, or would
>you rather see more info on fewer rigs? And, last but not least, let me
>extend a warm welcome to the QRP community at large to visit us here at ARRL
>HQ. We have a number of avid QRPers on staff (even those of us who are,
>temporarily, doing most of our QSOs by ESP). If you stop by during business
>hours, one of our staff will give you a personal tour, which, of course,
>includes the ARRL Lab and Zack Lau's (KH6CP) world famous workbench. Those
>who are interested in testing can talk to me or Mike Gruber about the ARRL's
>test procedures.

>

>72 from ARRL HQ,
>Ed Hare, KA1CV,
>ARRL Laboratory Supervisor

>

>

>

>>
>>Thanks Ed,

>>

>>73/72 Bob V01DRB/WA6ERB

>>

>>PS: I'm going to cc: Zack since he's somewhat aware of the shenanigans
>that we get into on the qrp-l list.
>>
>>PPS: I wrote the following post BEFORE I was educated by your article in
>QEX
>>
>>-----
>>My open post to the qrp-l gang follows:
>>
>> >From: "Robert J. Gobrick" <rgobrick@nfld.com>
>>>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>>>Subject: Re: Lab Tests
>>>X-To: pharden@aoc.nrao.edu
>>>X-Cc: qrp-l@Lehigh.EDU
>>>X-Sender: rgobrick@public.compusult.nf.ca
>>>X-Listprocessor-Version: 8.0 -- ListProcessor(tm) by CREN
>>>
>>>Paul and QRP-L Gang,
>>>
>>>First off I'd like to thank Paul for venturing forth (with trepidation I'm
>>>sure) "publishing" some of his lab tests on the QRP-L here. I have to
>admit
>>>I am a "numbers" fanatic. If anyone remembers the great work that Robert
>>>Sherwood of Denver did years ago cataloging all the known rigs on the
>market
>>>for dynamic range, two tone blocking etc you know what I mean - I used to
>>>memorize all those numbers and jump back and forth between the different
>>>rigs specification sheets to see what the designers did to achieve a
>>>blocking dynamic range above 100 (ahh those were the days....). for me
>it
>>>was my "learning" process of becoming a ham and trying to understand
>>receivers.
>>>
>>>I believe it was Rob's work that urged the ARRL to try to standardize on a
>>>method of testing rigs and thus the famous "dynamic range measurements on
>20
>>>meters with a "standard" 500 hz filter with a ARRL Lab standard signal
>>>spacing of 20 Khz". Everyone knew if any of those parameters changed the
>>>numbers would not necessarily fall out the same. I "trust" the ARRL
>numbers
>>>every time they test a high end multimode HF at those conditions.
>>>
>>>Well how times have changed. Sure I've gotten a little older and now take
>>>ANY numbers that I see with a grain of salt. Why heck I can tell the
>>>difference between some of the fancier multimode HF rigs if they are
>triple
>>>conversion or just dual conversion with a cheap ceramic filter for the
>>>second IF (Kenwood TS-50) and the numbers usually bear that out.

>>>
>>>ARRL Review:
>>>
>>>Now we get to the June 1996 "Shoot Out" of some popular QRP rigs. I
>applaud
>>>the ARRL for publishing a round-up of these great qrp rigs and I applaud
>>>them for letting the ham fraternity know that there are some pretty decent
>>>qrp rigs out there with some decent receivers. Sure they are typically
>>>mono-band single conversion rigs but they are kits and they do work quite
>>well.
>>>
>>>Where I feel the ARRL did a dis-service is to treat the evaluation of
>these
>>>rigs like they were a "novelty" and not worthy of some real evaluation.
>>>First off I would have preferred to see one "ARRL Staff" person (like Ed
>>>Hare KA1CV) build ALL the rigs and properly align those rigs as per the
>>>manufacturer - no tricks, no mods etc. At least make sure the rigs are
>>>built and aligned to the manufactures specs. All those rigs were built by
>>>different folks with possibly different levels of expertise (I don't know
>>>this - just an observation). Second they should have at least tried to
>get
>>>all rigs tested on a common frequency - say 40 meters. Not an apples and
>>>orange evaluation like they did - some multiband, some 20 meters, some 40
>>>meters. Remember the ole ARRL Lab 20-500-20 rule (read above). That rule
>>>was not adhered to.
>>>
>>>Furthermore, it would have been nice to at least have commented on the
>>>two-tone dynamic reading and mention that these simple elegantly designed
>>>rigs had different levels of rf shaping in the front end, different types
>of
>>>mixing schemes (NE-602 vs rf preamped diode ring mixers) and different
>>>levels of filtering 4 pole, 6 pole. variable BWT etc). ALL these things
>>>make a difference when you are trying to compare rig specifications and
>>>performance. To me the ARRL did a disservice by NOT sticking to the
>strict
>>>standards that they set for the "real" rigs (the ones that bring in the
>big
>>>advertising bucks - alright I'm being a little harsh here - at least ARRL
>>>doesn't do the syrupy reviews like CQ magazine).
>>>
>>>Finally I think that the ARRL should have stated the criteria for how they
>>>were going to test these QRP rigs (they appeared to have used different
>>>standards then what is typically used with the big rigs) and they should
>>>have stated the differences in the design criteria so a reader could
>better
>>>interpret those numbers. I have built and used just about every one of
>>>those rigs reviewed. Some were designed to run low power and have a small
>>>size - great for those "To the Field Events". Some were designed for a

>more
>>>"stout" base operation with extra filtering and digital displays. I
>believe
>>>every one of these rig designers had to make some compromises to meet
>>>his/her cost, size, battery drain etc. And these compromises MAY effect
>>>some of the numbers. To me it's important to know that. Maybe for a
>>>beginner the numbers mean nothing - an "easy-to-build" kit may be his/her
>>>only criteria. For a more experienced qrper who wants to do contesting
>etc
>>>then "creature-features" may be more important (just tell me that having a
>>>simple audio filter before your AF amp stage doesn't help clean up that
>>>noisy IF amp and help shape that cw waveform so it sounds so much better
>>>than without a filter).
>>>
>>>So, to me the ARRL dropped the ball on us QRPers who really appreciate
>>>understanding what the numbers mean (or propose to understand - hi).
>>>
>>>Other Reviews:
>>>
>>>Paul was one of the first ones to venture forth with "his" "free for the
>>>asking" evaluation of his rigs using the best test equipment the
>government
>>>has (I wasn't supposed to say that - hi) and he is probably learning that
>>>maybe not everyone appreciates his work (I can't believe that can happen
>>>here on this benevolent QRP-L list). Maybe someone else tests things
>>>differently. Maybe someone else does not like certain tests. Maybe
>someone
>>>loves certain results and hates other results. I bet you not one of us
>have
>>>ever been to a club meeting or up on 80 meters and haven't got yanked into
>a
>>>conversation about who has the better rig - Kenwood, Icom, Yaesu, Ten Tec
>-
>>>WE KNOW it's a useless conversation because after people spend a megabuck
>or
>>>two they NEED to convince themselves that they made the right choice -
>what
>>>if their spouse finds out they screwed up and didn't get the latest
>>>jim-dandy rig out there. Well we need to view our "pride and possession"
>>>QRP rigs the same way. Numbers mean nothing - hi. But numbers do help
>you
>>>to understand rigs better and that's why I encourage anyone who has the
>>>means (even the simple transmitter efficiency that "Mr Science" Doug
>>>Hendricks suggests) to let us know what numbers you come up with and share
>>>those with Paul or whoever. Also as we learned in high school science
>class
>>>(when was that) write down your testing procedure - it helps to verify
>>>results if you make mods or changes.

>>>
>>>So I hope this is a little food for thought. As we new QRPers become more
>>>knowledgable we will become more demanding of our designers (and more \$\$
>can
>>>be made) to develop better and better qrp rigs (and by the way there are
>>>some REALLY GOOD qrp kits out there now). We all gain.
>>>
>>>Thanks Paul and thanks to those who sent me thoughtful notes about my
>first
>>>post on Paul's work.
>>>
>>>Cheers 73/72 Bob V01DRB/WA6ERB

```
-----  
| Bob Gobrick - V01DRB/WA6ERB/VE2DRB - Newfoundland, Canada |  
| QRPPer Galore - QRP ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |  
| Internet:      rgobrick@nfld.com |  
| Compuserve:   70466.1405@compuserve.com |  
-----
```

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: ko6gf@ix.netcom.com (Denis Englander)
Subject: [2617] Basic solution to Up/Low Case Problem
Message-ID: <199608140515.WAA20706@dfw-ix11.ix.netcom.com>

This is multipart MIME message.

--rcirhyqyffeydrccclrgysmboputmhd
Content-Type:text/plain; charset=US-ASCII; name="NCZ1028.TMP"

After reading the comments regarding upper and lower case, I offer
the following little solution....heck, we all have a computer don't we?

First I'll show you a sample file that uses both upper case and lower
case letters that I want to convert to all lower case.

This is a sample file of UPPER CASE letters and lower case letters.

BY SAVING YOUR FILE THAT NEEDS CONVERTING AS UC.TXT AND
RUNNING THE UCLC.BAS BASIC LANGUAGE PROGRAM, ONE CAN
CONVERT ALL OF THESE UPPER CASE LETTERS TO LOWER CASE.

The text file will be written in lower case and stored in a file called UL.TXT for your reading pleasure.

Now we'll at that same file as it has been converted to all lower case:

this is a sample file of upper case letters and lower case letters.

by saving your file that needs converting as uc.txt and running the uclc.bas basic language program, one can convert all of these upper case letters to lower case.

the text file will be written in lower case and stored in a file called ul.txt for your reading pleasure.

Now we'll look at the Basic language program that does all of the work!

10 KEY OFF
20 CLS
30 OPEN "UC.TXT" FOR INPUT AS #1
40 OPEN "LC.TXT" FOR OUTPUT AS #2
50 IF EOF(1) THEN 220
60 LINE INPUT #1,A\$
70 GOSUB 110
80 GOTO 50
90 REM
100 REM
110 REM SUBROUTINE TO CONVERT LETTERS FROM UPPER TO LOWER CASE
120 REM
130 FOR X = 1 TO LEN(A\$)
140 Y=ASC(MID\$(A\$,X))
150 IF Y>64 AND Y<91 THEN Y=Y+32
160 PRINT CHR\$(Y);
170 PRINT#2,CHR\$(Y);
180 NEXT X
190 PRINT CHR\$(32)
200 PRINT#2,CHR\$(32)
210 RETURN

220 CLOSE 1
230 CLOSE 2
240 END

Yes, I realize that there are "Trick" commands and other programming styles, that can do the same thing with fewer lines and a "Nicer" structure, but I wanted to keep it "Generic" or "Plain Vanilla" as best as I could for easy transport. <Grin>

A friendly solution offered to the fine folks on the qrp-l, where the answers never run out!

72/73 to all - keep having fun - de K06GF - Denis

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Yes, I realize that there are "Trick" commands and other programming styles, that can do the same thing with fewer lines and a "Nicer" structure, but I wanted to keep it "Generic" or "Plain Vanilla" as best as I could for easy transport. <Grin>

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72/73 to all - keep having fun - de K06GF - Denis

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```


Yes, I realize that there are "Trick" commands and other programming styles, that can do the same thing with fewer lines and a "Nicer" structure, but I wanted to keep it "Generic" or "Plain Vanilla" as best as I could for easy transport. <Grin>

A friendly solution offered to the fine folks on the qrp-l, where the answers never run out!

72/73 to all - keep having fun - de K06GF - Denis

Just in case there are any who are still looking for a way to fix files with upper case letters - I offer the following text file attachment to show a possible solution:

Keep the answers moving along there folks.... Hi!

72/73 de K06GF - Denis

--

ko6gf@ix.netcom.com - Denis Englander
Packet: K06GF@W6PW.#NOCAL.CA.USA.NOAM
Norcal #34:ARCI #8682: (kd6eti 01/92)

--rcirhyqyffeydrccclrgysmboputmhd
Content-Type:text/plain; charset=US-ASCII; name="answer.txt"

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this is a sample file of upper case letters and lower case letters.

by saving your file that needs converting as uc.txt and running the
uclc.bas basic language program, one can convert all of these upper
case letters to lower case.

the text file will be written in lower case and stored in a file
called ul.txt for your reading pleasure.

Now we'll look at the Basic language program that does all of the work!

10 KEY OFF
20 CLS
30 OPEN "UC.TXT" FOR INPUT AS #1
40 OPEN "LC.TXT" FOR OUTPUT AS #2
50 IF EOF(1) THEN 220
60 LINE INPUT #1,A\$

```

70 GOSUB 110
80 GOTO 50
90 REM
100 REM
110 REM SUBROUTINE TO CONVERT LETTERS FROM UPPER TO LOWER CASE
120 REM
130 FOR X = 1 TO LEN(A$)
140 Y=ASC(MID$(A$,X))
150 IF Y>64 AND Y<91 THEN Y=Y+32
160 PRINT CHR$(Y);
170 PRINT#2,CHR$(Y);
180 NEXT X
190 PRINT CHR$(32)
200 PRINT#2,CHR$(32)
210 RETURN
220 CLOSE 1
230 CLOSE 2
240 END

```


Yes, I realize that there are "Trick" commands and other programming styles, that can do the same thing with fewer lines and a "Nicer" structure, but I wanted to keep it "Generic" or "Plain Vanilla" as best as I could for easy transport. <Grin>

A friendly solution offered to the fine folks on the qrp-l, where the answers never run out!

72/73 to all - keep having fun - de K06GF - Denis

--rcirhyqyffeydrccclrgysmboputmhd--

From owner-qrp-l@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: ko6gf@ix.netcom.com (Denis Englander)
Subject: [2620] Basic Up/Low note
Message-ID: <199608140813.BAA24874@dfw-ix9.ix.netcom.com>

Opppss....

That is, your lower case file will be written to LC.TXT
not to UL.TXT as I wrote in the quick example notes...

sorry reader! Of course, you can send it to any file name of your choice! Just change the program listing.

Amazing how the little stuff gets through the filters, isn't it?

(Sorry, but my 'Puter formats all Basic statements in upper case ... perhaps not so for the stuff in REM)

'Nuff said - 72/73 de K06GF - Denis

--

ko6gf@ix.netcom.com - Denis Englander
Packet: K06GF@W6PW.#NOCAL.CA.USA.NOAM
Norcal #34:ARCI #8682: (kd6eti 01/92)

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [2652] CA es NV Trip
Message-ID: <199608142008.UAA13305@chuck.dallas.sgi.com>

Gang,

Well, what a trip!! It was a mad-house getting back from Mt View CA late Friday night 8/3/96, up early on Saturday morning to fly to Austin TX and spend all day with a great group there and give a 30 min talk on QRP, then hop back on the metal cylinder back to Dallas TX, and then early on Sunday morning to hope another flight to Reno NV!!! The last flight was a freebie. :-) Did get a first class upgrade coming back since I'm AA Gold and they were overbooked. Still looking for one small bag (not the one with the rig) to arrive someday. :-)

In Austin (the first Saturday of the month of August, the fourth) I picked up the last/next to last (depends upon how Gary wants to count it, since he paid first for his, but I had mine in the hand...) ever Tejas RF Technologies 8044ABM keyer with case and all. In fact, built it Saturday night after packing everything else. :-) Talked to Bill Hickox just a little and he was just about out of kits. A few Backpacker II's at \$100 each at the meet.

OK, here's what I took with all the weights and measures for the backpackers and travelers:

1. SWL-40 from NN1G. 10.7oz 10.5cm(L) x 10.7cm(W) x 5.0cm(H)
Decided on 40M 'cuz of the antenna, see below.
2. Tejas Keyer. 5.6oz 7.7cm(L) x 8.7cm(W) x 2.6cm(H)
Weight includes 9V NiCad, since it only draws 5uA when idle...
Does have switch though.
3. Envirotronic Paddle. 26.8oz 6.5cm(W) x 12.2cm(L) x 3.5cm(H)
Weight includes wire and stereo plug.
4. Battery Gel-Cell 1.3Ahr 19.1oz 9.7cm(L) x 4.2cm(W) x 5.0cm(H)
5. 40M Dipole 7.0oz
Weight includes SO-259 connector in middle and two small rectangular plexiglass end pieces for insulators.
6. 20' RG-58U cable with PL-259 connectors. 8.7oz

So, the heaviest thing was the paddle. All this did not take up much room in the clothes bag and it went through check-in and into cargo without a problem. I didn't try carry-on, but will do so next trip. My biggest worry is the darn Gel-Cell.

Next trip in two weeks will involve the same equipment but using a SWL-30 and 30M Dipole to Mt View CA. I took the 40M this trip because I had the 40M antenna ready to go and the SWL-40 is smaller than the NC-40a and other rigs. I'll have a short article in QRPP in three months or so on the antenna. I think you'll like it and it is great for travel. Film at 11.

First couple of nights on the west side of Lake Tahoe (CA side) resulted in one QSO to OR. I had the dipole up about 5M in the middle and slightly higher on the ends. Supported with 20 lb test fishing line thrown up into 150+ year old pines just using the spool. Nothing fancy and it was easy. Heck the pines were over 20M or higher. I didn't hear a thing to the east. Beautiful location at a bed and breakfast with a cabin in the woods.

Moved to the east side of the lake, now K5F0/7, for a week. Worked WA, UT, OR (lots of OR), and CA. Now this is funny since the dipole is strung N/S but at a slant. About 15 QSOs and after Saturday afternoon August 10th not a QSO since after the power outage the line noise went to 50dB/S9. You know the kind I'm talking about that sounds like bacon frying in an iron skillet. Worked a couple of campers running NC40a's and SWL40s at 1W-2W in the woods of OR.

Also on Monday some super lightning storms that hit some pines just

a few hundred yards away. That was scarey.

I think due to mountains on the east side of the lake and the cabin I wasn't ever going to do any good in an easterly direction. The lake and surrounding area is just beautiful. There was a fire to the north of the lake started by an arsonist and was within 10 miles to the east of Reno. Heard via email they arrested the guy and arraigned him today. His plan was to do all the area around Reno. Geeeee.

So I guess my first real experience at "camping" in the woods and taking a rig. I don't know what I'd do differently. If I had been in a tent in the piney woods, I would have had no problem raising someone on 40M any time of the day to get help if needed. I'll work on the paddle weight for the ARS test coming up in a few days.

OH, I gotta measure the antenna as I didn't have time to do this with the MFJ-249 just to see how much effective I was at the time. :-)

Thanks to Randy, WB5QMP/QRP, for the nice QSO on the 8th. His NC40a was doing great. Nice to run across someone from the qrp-l group to relay a howdy back. I didn't have a laptop with me and glad that I didn't. :-)

Give me a couple of days to get caught up on some stuff and I'll post some more and catch up on what you guys/gals have been up to. :-)
I'll email to individuals that have specific issues to resolve.

I got a new manager and sent her a schedule of my trips for the rest of the year just before I left and she just about had a heart attack. :-)
So maybe I'll get some relief from all the travel. One can always hope.....
I only had about 1500 emails when I got home yesterday. :-)

So I haven't been avoiding the group. I've just been out and about.

dit dit

Chuck Adams (K5FO CP-60) adams@sgi.com

K5FO TMPS 1995 Qs=222 States=46 Confirmed=127 DX=04 (0.95W)

K5FO TMPS 1996 Qs=080 States=32 Confirmed=50 DX=04 (0.95W)

40M 49wkd/49cfmd 30M 48wkd/48cfmd 20M 50wkd/50cfmd (0.95W)

From owner-qrp-l@Lehigh.EDU Wed Aug 14 23:13:36 1996

From: Dan Keen <70731.722@CompuServe.COM>

Subject: [2644] chalk line antenna reel

Message-ID: <960814183147_70731.722_EHM94-1@CompuServe.COM>

> Your timing is unbelievable! I have had the hygain tape antenna for

> several years but it is heavy and I am afraid of damageing it. I keep it
> for special events. I have planned to try the chalk line reels for some
> time and got the wild hair Sunday afternoon.

Thanks John I got some other similar E-mail like yours, too.

> I had two spools of antenna from a CRT-3 lifeboat radio. The seagoing
> types may remember the Gibson Girl hand crank, code wheel, 500 kc (yes
> kids, kc - when radio did not hertz) radios. They came with two ways to
> get the wire into the air. A heavy duty aluminum & nylon box kite and a
> weather ballon with a chemical hydrogen generator. The wire is a very easy
> to handle cotton core with a braided 'shield' that makes it about the size
> of 18 guage but much lighter. I is very flexible and does not seem to kink
> - you can even tie it in knots. When tinning the wire the cotton core is
> no problem. It does not burn at soldering temperatures too.

Very interesting on the cotton core wire. I suppose that it cannot be found
today? Some old types of cotton covered wire can be found at Antique
Electronic Supply but apparently not cotton core.

CRT-3 I hadn't heard of. I did have an 1950's government RS-6 'spy' radio but
traded it away. Some of the special B-47 crew carried the RS-6 on Eastern
Europe flights. It had no code device but all the accessories were inside the
little radio case, antenna, earphones, key and so forth. But traded that rig
away. Wonder what the CRT-3 chemical hydrogen generator looked like? Where
does the name Gibson Girl come from? I guess I ain't old enough to know.

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: "Jack W. Rucker" <jackruc@mail.idt.net>
Subject: [2658] Chalk Reels; Flex wire sources, BACKPACKERS, Kite Ants....
Message-ID: <321280D5.49C1@mail.idt.net>

RE: CHALK REELS; sources of flexible wire.

A) The Wireman has an flexible SILKY wire I've been using for back-packing
antennas for several years. Quoting from P. 39 in their Wirebook 2:

< #534-CQ 'INVISIBLE 26' Copper-clad steel #26 (19 strands) with a thin,
tough, dull black, high density polyethylene jacket. Flexible, strong,
easy to use and re-use for that "low profile" antenna or pocket
"weekender" dipole.>

Price - - \$0.12 per foot in 1000' spool lots (8-14-96 quote)
The Wireman, Inc. Landrum, SC 800+727-9473

Silky insulated wire also available in #18 (16 strand) and larger. (I don't want to carry it on my next 225 mile trek!)

B) The RF Connection has two neat offerings: **ATTENTION BACKPACKERS**

- 1) 1/16" Kevlar cord, covered with a *very* fine copper braid. (135' = 4 oz.)
- 2) 3/32" Kevlar cord, covered (same as above)

'95 prices @ The R.F.Connection, Gaithersburg, MD 800=783-2666

- 1) 1/16" Kevlar with cu braid \$19/100', or \$0.21/foot (avail.1K' spools)
- 2) 3/32" Kevlar with cu braid \$23/100', or \$0.25/foot

Better prices on 1K' spools, if there is sufficient interest.

Personal notes:

1) Kevlar is light, but very strong. It is used in bullet-proof vests. I use it <sparingly, due \$\$> for mountain and rock climbing, and for hanging antennas. I use Kevlar thread to repair boots and packs. The cord is stiff & uv-proof, & does not tangle easily.

2) Some Kevlar cord I purchased for halyards (from Radio Works) is rated 400-500# test (~150# working), size 0.075" (<5/64"), or roughly half-way between the above items 1 & 2.

3) For center and end insulators, I use scraps of black (uv protected) heavy duty Ty-Raps, ~3/8"W. x 2" L. They snake through trees, and don't break.

FYI, I am not affiliated with any of the above, just a :-) consumer... :- (.

73,

Jack W4SON/9N1SON

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996

From: John Mckee <jmckee@rfmd.com>

Subject: [2631] cleaning pcbs

Message-ID: <199608141305.JAA32692@nss2.CC.Lehigh.EDU>

Hello Gang,

I like to use acetone and cotton swabs to clean the flux from PCBs.

Finger nail polish

remover also works well. Be careful with the acetone because it will also remove the

markings on components and melt some plastic components.

I just dip a cotton swab into the acetone and wipe off the flux. The acetone evaporates rapidly and I end up with a very clean shinny solder connection.

There are several good commercial flux removers available but these aren't cheap and if you need to have it shipped, there is usually a hazardous material fee along with regular shipping charges.

Hope this helps.

73

John WB40FT

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: ALK0FRP@aol.com
Subject: [2668] Colorado QRP Club Summer QSO Party
Message-ID: <960814225132_456791888@emout14.mail.aol.com>

Greeting from Al K0FRP

Time for the Colorado QRP Club Summer QSO Party
Aug 25, 1996, 1800- 2359 UTC 160-10m No WARC bands
Exchange example 579 (RST) CQ (SPC) AL (name), #32 (CQC #)
I hope many of you can participate. I cannot win the QSO party this year because I have been given a special task of operating the contest using our Club Call KB0UCQ. This year we have added a twist to the scoring. If you work KB0UCQ in the contest you will be able to add 1000 points to the bottom line score. That is after you figure your score the normal way as follows:
CW CQC member 6 pts non member 4 pts
SSB CQC member 3 pts non member 2 pts
Multiplier SPC State/Prov/Country worked
Stn wrkd diff bands for additional QSOpts and Mults. QSO same band but diff mode counts QSO pts but not add mult.
Names total of first name per letter of alphabet (26 Max) name verified byCall book or QSL.
No nick names like Ziggy or Xrayman (but you Zekes and Xaviars please participate)
Score = QSO pts X Mult (SPC) X Names + if you work KB0UCQ add 1000 pts.

Logs showing Band, Mode, Time UTC, Station wrked, RST RVCD, Member # RCVD or power out if not CQC member, SPC, Names, Claimed score.and separate name list and SASE for results if not a CQC member. You must run 5 watts output cw or ssb or less to submit a score.

Send Logs to: Jim Pope KG0PP PO Box 31575 Aurora CO, 80041-0575

Jim, has the final say on scoring.

I will operate using two radios on different bands (one in each ear) 15/20, 20/40, I will be on 80m at the end of the QSO party for the local members. I will try novice bands on 40m and 15m at the top of the hour (if pile-ups allow) on 21110 and 7110 as slow as my keyer goes. On 20m I will use a 4el mono east and a 4 el tribander west. My Keyer will be set for 24WPM. I'll slow down just SAY QRS. If things are slow I will try SSB on the half hour.

All Normal QRP freq.

Classes: Single band, Multi band, Novice/Tech

Thats 11AM -5 pm PDST, 12 pm - 6 pm MDST, 1pm -7PM CDST, 2pm-8pm EDST

Try out those new summer project radios and new antennas (if the propagation is there I'LL hear you) West coast, I have put up a tribander side mounted at 45 ft, just for you, pointed west.

Thanks see you all on the 25 th

Al K0FRP

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996

From: "Phil, AC6LS" <ac6ls@amsat.org>

Subject: [2622] CQ CQ CQ DAVE KQ6FR.....

Message-ID: <32118723.4D53@amsat.org>

Dave, please contact me so I can e-mail direct about your 2m rig. TNX

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996

From: ASAT0@pairgain.com (Asato, Kevin)

Subject: [2650] cw vs mcw on 11 meters

Message-ID: <6699207001A92C79@-SMF->

the mcw mode allows you to receive cw using am mode as you are injecting a tone over the mic. using cw on means that you would have to create a BFO to create a frequency offset to hear the cw beat note or use a different receiver capable of cw/ssb mode.

for simplicities sake, stick with the mcw mode supplied with the walkie-talkie. a side benefit is that the mic circuit will still work such that voice confirmation of what was sent is possible.

kevin/kc6pob

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: KB0PJE Jack Dougherty <jdougher@wt.net>
Subject: [2637] DECALS/PANEL MARKERS
Message-ID: <32121BD5.28D1@wt.net>

I lost the thread, but for custom panel markers.....

Try using an Avery label product that is CLEAR and can be either lazer or b-jet printed. The product, Avery # 11407, contains a sheet full of labels about 0.75 in by 0.5 in. They are intended to make custom Tab labels for 3-ring presentations. The product pack includes a set of divider tabs (which you don't need) in addition to the blank clear label sheet (which you do need). Available in office supply stores.

They are semi-sticky (like a post-it note) so you'd have to swipe a coat of 'clear' etc. over them to affix. I haven't tried them on a project, but they seemed to work on my file cabinet sheet steel.

(and i'm not connected to Avery - we just use 'em)
KB0PJE, Jack in Houston

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: duane <duane@flinet.com>
Subject: [2667] Explorer 1 or II
Message-ID: <32129141.6899@flinet.com>

I am thinking about buying the explorer I or explorer II.
I am looking for input as to how good of a radio it is or is not.
I also would like recommendations as to what band I would get the best use out of the rig. I'm thinking about 40 (but the AM signals)
30 well I've never been there, (tell me about 30 meters) 20 meters (I don't know maybe ?) I will be using a dipole, from south Florida, at the bottom of Lake Okeechobee. I have an extra class ticket, and thought I'd try QRP. (brush up on the CW at the same time, oh well)
thanks
duane AB4BE

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: Scott Walker <71674.16@CompuServe.COM>

Subject: [2640] FS: HW-9

Message-ID: <960814172030_71674.16_DHR72-1@CompuServe.COM>

Everyone:

I have a buyer for the unit.

Thanks very much for the response.

Scott Walker

New Cumberland Pennsylvania USA

71674.16@compuserve.com

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996

From: Roy Boggs <rboggs@pcc-uky.campus.mci.net>

Subject: [2640] G3YCC Half Wave End Fed- It works!

Message-ID: <2.2.32.19960814171008.008f9114@pcc-uky.campus.mci.net>

Hi gang,

I wondered if the contraption (Portable Antenna) pictured on Frank's web page would really work since I hadn't seen any postings from anyone who had built and used it, so I built one in the proverbial 35mm film can as pictured and I can assure everyone it does work fine.

Have been on it for the first time this morning with my SWL40 (1.5 watts) and worked these in about an hour while sitting under my picnic shelter outside. Band condx were ruff at best.

N0CRS/QRP Steve in MN 459

AD4QK Jim in TN 559

KE4ZXG in VA 559

N8WVD/QRP in MI 459

I finally found the slug-tuned inductor in an old Compaq 286 luggable monitor and didn't have a 50pF cap so used an old ceramic trimmer cap to get impedance to near 50 ohms. Everything is touchy from hand capacitance (especially in the plastic film can) so it was tricky to get settled down to 1.5:1 swr and there I left it alone. I used about 4 ft. of RG-174 from the film can to the rig to keep things tiny.

In my pursuit of an almost-shirt-pocket station, this really works good. With this I don't have to carry around my BIG (2"x4"x1") T-match tuner (in a first aid kit box) or certainly not my St. Louis Tuner! So, I am down to a 2" paddle (old speaker jack that works as single paddle or iambic), antenna from speaker wire and film can, the AK-1 keyer, SWL40 with 8AA's, and a cheap ear bud earphone. This mini-station will soon shrink more with the

40-9er (30-9er I wish). I will use this very often at my wife's family on Sundays u can bet (are u listening AE4IC?)! Bob used the W3EDP at his in-laws and we are testing out what will be dubbed the 'In-Law Antenna'!

I swear, I never had so much fun in my life.

Best 72, Roy KE4KDT Norcal ARCI QRP-L ARRL
Prestonsburg, KY

From owner-qrp-l@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [2639] Got a Web Site?
Message-ID: <199608141817.SAA06856@mail.enterprise.net>

If you have a homepage and it isn't on mine, would you kindly let me know so I can add it?

Thanks.

--

Frank G3YCC
Ham Radio QRP Web Page:
<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-l@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: "Michael Connor" <mikec@primenet.com>
Subject: [2659] Internet Phone
Message-ID: <199608142347.QAA28992@primenet.com>

Gang,

Don't know if anyone else is messing with it or not, but I've been playing with Internet Phone today. I created a "chat room" called "Ham Radio/QRP" for anyone who might be interested.

Cheers,
Mike
NQ7K

From owner-qrp-l@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: wa5whn@ix.netcom.com (Jay Miller)
Subject: [2629] Lat./Long. QRA (Grid Square)
Message-ID: <199608141257.FAA01318@dfw-ix9.ix.netcom.com>

Dear Fellow QRP Compadres,

The following URL;

<http://gepasi.dbs.aber.ac.uk/auj/bin/locate.pl>

If You give it Your' Lat. & Long. it gives You back Your' grid square, if You want to view (USA side of the pond) Your' Lat. & Long. select the USA Map, otherwise, thanks to Xerox (USA side), and the Chaps that had put this page together, in the UK. It was fun to play at this website. What does this have to do with QRP ? Well, the VHF/UHF Ops use Grid Squares & (me included) rather than trying to describe a site, I just give the Lat. & Long. of where we will be. Beam headings are much easier to compute, using grid squares.

So, from Grid Square (QRA) DM65qd

72...Jay, WA5WHN

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996

From: Dan Keen <70731.722@compuserve.com>

Subject: [2661] Magnifying lamp

Message-ID: <960815003023_70731.722_EHM29-1@CompuServe.COM>

Preston,

> Sure enough, this is the first night that I am free to putter in the
> shack, and the thing came from Damark. Now for those who don't get this
> particular catalog, it is one of those outfits that sells all kinds of
> stuff like factory rebuilt computers, stereos, pool chairs and assorted
> lighting stuff. And recently I noticed they were selling these lamps for 40
> bucks, free shipping.

Another Damark product is their personal sized laminator for 29.99 (no added shipping charge). The last few years I noticed that it only appears once per year in the monthly catalogue, and here it is again in the August issue. I've used one for a year and never got a bad lamination yet, works great!

B-7612-347436 laminator \$29.99 free shipping

B-7612-347464 \$12.99 free shipping. 150 pouches (enough for 150 finished laminations, 50 each of three finished sizes 2-1/4x3-3/4, 3-3/4x5-5/16, 4-3/8x6-3/4). Can trim the size down with a paper cutter when done.

1-800-729-9000

Thanks for the post. I'm ordering one of those magnifiers tomorrow.

115 volt Magnifier/lamp B-7612-419592 \$39.99 white or B-7612-410996 black

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: JessQRP@aol.com
Subject: [2654] My deck is famous Sept QST
Message-ID: <960814172539_501415281@emout08.mail.aol.com>

Hi all,

You will notice in the Sept. issue of QST that there is a breif articel on Jane AA0ZR and her hammer key. A while back the CQC had a breakfast meeting to honor Jane with a few gifts. She received the "Brass Pounder" a straight key made from a 10 oz roofing hammer that really worked and a OHR EXP II that several of the club members had chipped in on and gotten gor her. After the meeting, we all came over to my house to hook up the rig and key and let her have a go at it. We connected the OHR EXP II ti my R 7 and the hammer key, and let her bang away. I thought that she was going to break the table! She really pounds brass. There were a couple of guys that actually made a brief QSO using the hammer key. We were set up on my back deck on a sunny day last winter.

Thanks to QST for publishing the info. A great time was had by all and Jane is a first class QRP op and a great lady. The reason that she got into ham radio was to be able to communicate with the world from her remote cabin home and then fell in love with CW.

Best
Jess NOTFI

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: Mike Czuhajewski <wa8mcq@u1.abs.net>
Subject: [2655] New QRP ARCI address
Message-ID: <Pine.BSI.3.93.960814173209.8010H-100000@u1.abs.net>

Mike Bryce, WB8VGE, is moving soon and he just opened up a post office box to be used for QRP ARCI business. If you want to renew membership or join up or request club info, please use the new post office box. Please do NOT use his old street address of 2225 Mayflower after the end of August, since he won't get the mail.

73 and Queue Our Pea DE WA8MCQ

----- Forwarded message -----

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996

From: Mike Cloud <cloudm@mhsgate.meth-mem.org>

Subject: [2635] New Tape Measure type available!

Message-ID: <97AF113201172C16@mhsgate.meth-mem.org>

Ok ladies es gents: I just got off the land-line with the amateur antenna division of Telex/Hy-Gain. I talked with a fellow named Jim, who while not an amateur, appeared to be VERY knowledgeable. I described my 'tape-measure' dipole to him and he gave me the following history. The product and ALL replacement parts have not been available for at least 5 years. They could no longer produce the antenna as the supplier of the stainless steel elements stopped production and no suitable substitute could be found. He was aware of at least 3 models: H-4000 for amateur use, H-4000-N for military use (apparently what mine is), and 18TD which was an earlier commercial version. The GOOD news is that, while the original tape-measure is gone, Hy-Gain has just announced a possible replacement. Jim described to me a smaller and lighter portable type based on 2 small reels of a copper-alloy cable wound around a synthetic core. This antenna apparently covers from 180m to 2m. He is sending me a new catalog ASAP. I told him a little about our QRP-L and ARS subset, and our needs. I broached the possibility of a group purchase and he seemed very interested. The srp (suggested retail price) is in the magnitude of \$260, pretty pricy, but a group purchase could significantly reduce the cost. If you are interested please email me at my 'Juno' address (kr4it@juno.com) , NOT this one! I really am not interested in being the 'go-between' on this and would appreciate some guidance by someone who has experience with group purchases for this group. If you are one of those folks, please share your experiences with me at 'cloudm@mhsgate.meth-mem.org'. cul de Mike, KR4IT

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996

From: Dan Keen <70731.722@compuserve.com>

Subject: [2641] OHR-100

Message-ID: <960814171834_70731.722_EHM100-1@CompuServe.COM>

- > The Oak Hills Research OHR-100 Qrp set is now available.
- > See Radio Devices Web Page at <http://www.raddev.com/biz/raddev/>
- > de KA1CX

Well this is off the subject but I was looking specifically for Radio Devices a month ago. My browser's startup page is a site which has 13 search engines on the front page. None of them could find Radio Devices under searches for OHR, Ramsey, Radio Devices, or Oak Hills. So I had to instead journey to several general ham radio pages and follow the links to other pages until finally Radio Devices was on a links list. It took a few minutes, instead of a few seconds.

There is gotta be a way for a company with a home page on the WWW to change something inside their page so that the standard search engines searching on the company name or on other obvious keywords will find them. I wish more WWW homepages would check to see how easy it is to find themselves.

The 13 engine homepage that I set Mosaic to go to first is:

BigKid Internet Searches

<http://www.ecst.csuchico.edu/~bigkid/searchengines.html>

From owner-qrp-l@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: Roy Boggs <rboggs@pcc-uky.campus.mci.net>
Subject: [2631] OZ7C on 30m - legit?
Message-ID: <2.2.32.19960814130252.0080f2e8@pcc-uky.campus.mci.net>

Hi all,

Did any else hear OZ7C yesterday (22:30Z) on 10.111? He was abt S9, very loud, calling CQ and came back to me right away with 559. I was running 4.5 watts from my Kenwood 850 so I don't think I blasted anybody in Denmark (?).

Honestly, he sounded a lil too good for DX but had a pileup going. Is this a legit operator and has/did anyone else work him?

72, Roy KE4KDT Norcal QRP-L ARCI ARRL
Prestonsburg, KY

From owner-qrp-l@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: George Gingell <k3tks@u1.abs.net>
Subject: [2644] PM3-A and other Collectables
Message-ID: <Pine.BSI.3.93.960814141814.4563B-100000@u1.abs.net>

Subject: TenTec PM3

OK,

the first request didn't get the dust off any PM3's. So.

I will put the first person who comes up with a PM3 for me
in for Jims Good Guy award of the month.

There has to be one on some ones shelf just begging to be put
on the air.

What say?

72,,,Jerry...WA6OWR...K

Jerry,

I have a PM3A and some Modules for the MR1 in my Ten-Tec Collection.
I also have a Matric 50, an 80 Meter Transmitter of around that vintage.
Someone told me that Lee, WA3FIY of RAC (Radio Adventure Company) might
know something about the Matric 50 ? It needs work, as do the Ten-Tec
rigs.

I am sort of planning to keep them and fix them when and if I ever get
time. I am currently very QRL with rearranging my office/lab/hamshack
and library. Then I am obligated to finishing off the laundry room and
family room. Could be a while :^).

When I get a little further along in the "Clean-up Champain" I might
consider a trade or sale. Some of the items that I might be interested
in acquiring in exchange are OHR Wattmeter, KC-2 Keyer, Wilderness
Sierra, Autek Antenna Analyser, and Ten-Tec OMNI VI. :^) or a 166 Mhz
Pentium or Cyrix 686 :^), Cash is good! :^)

O.K., You guys can make your best offers and I will put you on the
waiting list. Maybe I should just hold an email Auction ?

Don't forget to include your Name, Call, Address, Telephone and
email with your bids.

72 es QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@abs.net

Maryland Milliwatt Club QRP Reference Library (301)572-6789

I may find other items as the renovations progress :^)

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: KFGlynn@aol.com
Subject: [2653] Portable Oper Sat/Sun Aug 17
Message-ID: <960814161912_178967330@emout16.mail.aol.com>

Hi Gang,

Please keep an ear out for me Sat and Sun. I will be working portable this weekend from our Field Day site (Ft. Hamilton Army Base) in Brooklyn, NYC with some guys from local club.

Not sure what call we'll use, but it'll either be mine KB2TE0 or club's WA2ZWP. Hoping to work 20, 30 and 40 and 17 phone if band is open.

Tnx

73 Kevin KB2TE0

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: scott.thomas@circellar.com
Subject: [2662] Power measurement
Message-ID: <9608142041.0T2SU00@circellar.com>

It would seem that to get an accurate measurement of power output, one would want to test the power on the antenna side of a tuner. How would one go about testing power with something like the OHR meter from the output of a tuner configured for ladder line? Is it necessary to output from the tuner's 50 coax output into the meter and then use a balun for balanced line?

Your thoughts please.

Scott

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996

From: victorj@fast.net
Subject: [2657] pwr supply
Message-ID: <m0uqo7W-00047aC@fast.net>

I'm just finishing what may be the last hw9 .I would like to buy a matching power supply.Any one have one they are willing to part with?
Vic wm3b
email victorj@fast.net

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: wb2vuo@juno.com (William K Hibbert)
Subject: [2628] QRP Frequency List:Packet & other sources
Message-ID: <19960814.072243.4807.1.wb2vuo@juno.com>

NOTE: I hope this doesn't get duplicated, and appologize if it does, but I posted a couple of items to the list on 13 August, and they seem to have dissappeared...

Keith, WB2VUO

Greetings from the Depths of the Great Bergen Swamp...FN13ac

What this started out as was a collection/compilation of various QRP frequency "lists" that I had found, or were passed on to me. It was posted on packet, both on the BARK PBBS, and on the "QRP" catagory on the BBS's. Some of the info is dated, some is questionable, and inputs as to the "current" calling/operating frequencies are welcomed. If you feel that the posting is redundant, inappropriate, wasted bandwidth, completely incorrect, Politically incorrect or whatever, flames should be sent directly. My skin is thick, and FLAMEPROOF...

(And, the DELETE key works F.B...)

---Begin Forwarded

Message-----

BAND	CW	SSB
160M	1.810 MHz 1.843 MHz (Europe)	1.910 MHz
80	3.560 3.710 (US Novice) 3.686 (US Novice, alternate frequency using a	3.985 Don't forget about these guys!

	computer timebase Xtal)	
	3.579 (Colorburst TXes)	
40	7.040	7.285
	7.030<-->7.060 (Europe)	
	7.110 (US Novice, although the Packet QRM is getting worse at the low end of the band)	
30	10.106 (The 'Old Standby', but suffers from Commercial QRM)	
	10.116 (EU QRP frequency, less commercial QRM)	
	10.140 (23-Channel CB Synthesizer Xtal, low cost)	
20	14.060	14.285 (Also the S.P.A.M AM spot)
17	18.080	18.130
15	21.060	21.385
	21.110 (US Novice, although a bit higher is better due to the HF Packet QRM)	
12 Meter	24.910	24.950 (Also the 'de facto' 12 Calling frequency)
10	28.060	28.885 (Also the 6M liason spot)
	28.110	28.385 (US Novice/Technician)
		28.360 (Suggested by SPRAT--N7WIM)
		28.965 (AM CB set conversion Ch-1)
6	50.125	50.125 (NCF,--everyone listens here)
		50.400 (AM...[Sixers ARE QRP!])
2	144.200	144.200 (NCF,--everyone listens here)

The VHF listings are iffy, especially the 6 and 2 Meter. They are based on the North American recongnized Calling Frequency. When you make contact on these spots, PLEASE QSY to chat! I realize that the bandplans are different elsewhere, so feel free to make whatever adjustments you need to these recommendations. If you have any additions and/or suggestions or what-have-you, drop me a line here on packet, or, if REALLY urgent, call me on the twisted pair at (716) 494-1239.

-----End Forwarded

Message-----

72/73, Keith, WB2VUO, QRP-L #582, grid FN13ac
Trustee, KB2YTW/B 10 Meter Beacon (28.2860 MHz)

wb2vuo@juno.com

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: wb2vuo@juno.com (William K Hibbert)
Subject: [2628] QRP Frequency List:Packet & other sources
Message-ID: <19960813.182718.4799.0.wb2vuo@juno.com>

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(And, the DELETE key works F.B...)

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Message-----

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-----End Forwarded

Message-----

72/73, Keith, WB2VUO, QRP-L #582, grid FN13ac
Trustee, KB2YTW/B 10 Meter Beacon (28.2860 MHz)

wb2vuo@juno.com

From owner-qrp-l@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: Dan Keen <70731.722@CompuServe.COM>
Subject: [2647] QRP-L is a club?
Message-ID: <960814191909_70731.722_EHM106-1@CompuServe.COM>

> BTW, there is a link to it from my own Milestone Technologies home page:
> <http://ourworld.compuserve.com/homepages/mtech>
>
> I also have links to ARRL, RSGB, SAREX, and an Italian site called 100

> years of radio.

Marshall,

I posted another message on the list complaining of homepages that search engines can't find using obvious keywords. The Italian site is a good example. I've been there once several months ago and could not find it again with search engines using "Marconni", or "Italian Radio". BTW, that Italian site was really great and I thought it was now gone.

I ended up on another Italian amateur radio page, and while there chose from the Italian language LINKS list and was sent to an illustrated Edwin Lear page "Far and few, far and few, are the lands where the Jumblies live, their heads are green, their hands are blue, and they went to sea in a sieve. They sailed away for a year and day, to the lands where the Bong trees grow, ...and so forth. Anyway, the Italian ham radio page sent me to that stuff! Anyway, its good to learn that the Italian 100 years of radio site is still there.

Dan

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: "Phil, AC6LS" <ac6ls@amsat.org>
Subject: [2621] San Jose, CA places to goto?????
Message-ID: <321186B3.781C@amsat.org>

will be in the sanjose area this friday and was wondering if someone could tell me where the "hot spots" are for electronic parts (computer + homebrew stuff). I used to live in the bay area and recall a place called "weird stuff" and understand that there are a couple of places nearby to shop, such as FRY's and Hard Drive Depot.

if you could tell me the addresses of these and anyother places that are in the san jose / santa clara area, it would be appreciated!

please direct to save bandwidth.

72 de PHil

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: Dan Keen <70731.722@CompuServe.COM>
Subject: [2648] Sierra Power Out Mod.
Message-ID: <960814191914_70731.722_EHM106-2@CompuServe.COM>

Bob,

> Wayne posted a suggested Sierra mod yesterday. I tried it out, and here
> is the mod and the results:
>
> Replace Q5, a J309 with a J310 which will be "hotter" on the higher
> bands--providing more drive to the final...
>
> I measured a .1W increase in power on the lower bands, and a .3W
> increase on 18M. (I need to build my 21M module now)
>
> A simple change, and highly recommended based on my results. If anyone
> comes up with different results, please let us know.
>

Did the mod require any realigning after doing it, or does the J310 change
just plug and play?

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: "Chris J. Cartwright - ELF" <dsc3cjc@imc220.med.navy.mil>
Subject: [2636] Ten-Tec QRP rigs soon
Message-ID: <Pine.3.89.9608141237.A2475-01000000@imc220>

Sorry if this has been covered already, but I have seen anything on it.
Just got off the phone with Ten-Tec about their Model 1230 (5/20w 220 FM?)
that won't show up until November, maybe :(Asked them about the QRP
kits and salesman said they expect them in late Sep or early Oct, CW only
and about \$95. Couldn't get many more details out of him.

-regards,

-- Christopher Cartwright, Tech. Engineer	...our chief weapons are fear,
-- Voice 301.295.0809 N3XRV	fear and surprise, and nice
-- Mail dsc3cjc@imc220.med.navy.mil	red uniforms, oh damn!!
-- ccart@erols.com	-- Monty Python

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: kd7s@psnw.com (Bill Jones)
Subject: [2670] TenTec Teaser
Message-ID: <199608150342.UAA10572@sierra.psnw.com>

Did anyone catch the little teaser ad on page 159 of the September QST from Ten-Tec? Okay, I'll bite....what's a CENTAUR and what does it do for \$749?

=====

Bill Jones - KD7S <><
Sanger, California
Reply to kd7s@psnw.com

=====

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: cjsterl@ix.netcom.com (Craig J. Sterling)
Subject: [2623] TMPS
Message-ID: <199608140954.CAA13073@dfw-ix10.ix.netcom.com>

Greetings,

Has TMPS been extended thru September?

Thanks,
Craig, AA3MD

Craig Sterling (AA3MD) cjsterl@ix.netcom.com
AA3MD TMPS 1996 Qs=234 States=41 Confirmed=21 DX=42
CT MA ME NH RI VT NJ NY MD/DC PA AL FL GA KY NC SC TN VA AR LA MS NM OK
TX CA AZ OR MT WY MI OH IL IN WI CO IA KS MN MO ND NE
EW VE1-3 LZ G XE 9A HA VP9 DJ OZ EA1 EA8 OK I GM C6 HB SP YT ZL CY0 OM
3B8 PJ2 CM F HC HB0 OA UT TI GU SM OH KP4 PA CT TK 9H YV HI S5

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: George Gingell <k3tks@u1.abs.net>
Subject: [2643] Toroids and Dans Small Parts
Message-ID: <Pine.BSI.3.93.960814141203.4563A-100000@u1.abs.net>

From: "John P. Spoonhower" <spoon@kodak.com>

Do one of you guys have the URL to Dan's Small Parts?
I tried <http://www.fix.net/dans.html> but there's no such document.

72, John kc2du

-- LOGO "Edited by K3TKS :^)"
John Spoonhower

Analytical Technology Division
Bldg 82C, Floor 2
ODAK ##### Eastman Kodak Company
Rochester, New York 14650-2132 USA
phone: (716)588-6173
Internet: spoon@kodak.com

Hi John,

Here is a bit of info that Might help.

Subject: RE: dan's small parts URL and Other Toroid Sources

KA7QJY, Danny Stevig - QRP Parts and Kits
Box 3634, Missoula, MT 59806-3634

Telephone 1-(406)258-2782

The URL is <http://www.fix.net/~jparker/dans.html>

Dan's prices on toroids are super.

Another one to try is Buckeye Electronics -
I got some real good buys on Toroids from them at Dayton.
Can't find the URL/ email address at the moment.
Maybe ask Bill Kelsey, N8ET of KANGA U.S., I think they
are close to each other. kanga@brutus.bright.net

If all else fails you can buy them from the source - :^)

Amidon, Inc.
3122 Alpine Sve.
Santa Ana, CA 92704
714-850-4660
Fax: 714-850-1163

72 es QRP DX TU (C) 1986, G. Danny Gingell, K3TKS@abs.net
Maryland Milliwatt QRP Reference Library (301)572-6789

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: Steve Slavsky <sslavsky@CapAccess.org>
Subject: [2647] Unbuilt Cascade For Sale
Message-ID: <Pine.SUN.3.91-FP.960814145405.17860B-100000@cap1.capaccess.org>

After much internal debate, I've decided I have at least one too many kits piled up to be built. I just don't think I'll get to this one in the next year and I hate to see it sit there not being used, so one original, in the bag, unopened, NorCal Cascade, with 80M and 20M modules is for sale.

Willing to talk trade for 20M SSB MFJ type rig w/accessories, other QRP rigs or \$200 shipped to lower 48 or combo of trade and \$ (will accept higher offer if made :-)).

Please reply to my e-mail address or by phone to 703-476-4453 (after 7 PM EDST) and not the list.

72 & 73,

Steve Slavsky, N4EUK
Reston, VA

From owner-qrp-l@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: herr@ridgecrest.ca.us (Michael Herr)
Subject: [2616] VFO drift and differential caps
Message-ID: <v01530501ae37e795a4d6@[199.120.150.40]>

Hello All,

I don't know if anyone posted this on the list and if so I most humbly apologize for doing so again. I've been out camping in the Sierras and just got back to a broken modem (using a borrowed one now). I saw this on the glowbugs list and thought it a good idea that QRPpers to follow up on.

72

Mike WA6ARA

ps - Jeff gave his go ahead on this post

>

>Hi gang--

>

>I bought one of those tube-era SSB manuals that ARRL used to publish at the
>recent Flagstaff hamfest, and spent a nice planeride cruising through it
>last week. I saw a circuit in one of the transceiver projects that I had

>seen before but not understood--and once I understood it, definitely had the
>Oh-Wow! effect in spades.

>

>It's a means of adjusting for VFO drift. You put a compound capacitance in
>parallel with your main tuning cap. This compound capacitance consists of
>an NPO cap in series with a differential variable cap. Each of the split
>stator sections of the differential is further in series with a cap. One
>section goes to an N750 compensating cap, and the other to an NPO cap of
>equal value.

>

>Because of the way differential caps work, turning the rotor doesn't
>significantly change the total capacitance of the compound cap. What it
>*does* do is change the split between the NPO and N750 caps. It basically
>allows you to continuously adjust the "amount" of N750 cap in the total
>capacitance of the compound cap. So if your VFO drifts, twist the
>differential rotor a few degrees and test for drift again. If it drifts
>faster, go the other way. If it drifts slower, keep going, a couple degrees
>at a time until the VFO sits still.

>

>Freaking brilliant.

>

>One snag, of course, is finding a differential cap. I hoard variables big
>time, have several hundred of them (no exaggeration; probably 150 pounds
>worth, total) but I've only scored 2 differentials in the 23 years I've been
>licensed.

>

>But it occurred to me that you might be able to dismantle a small APC-sized
>variable, carefully cut the stator plates in half with a thin grinding disk
>in a Dremel tool, and make your own differential.

>

>Anybody every try that?

>

>Anybody ever try this method of compensating a VFO?

>

>I've always had a hair-pulling time trying to compensate VFOs by soldering
>combinations of small caps together. This almost makes the process sound
>too easy. Any gotchas I don't perceive, apart from the challenge of
>obtaining a differential cap?

>

>--73--

>

>--Jeff Duntemann KG7JF

> Scottsdale, Arizona

>

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: wb2vuo@juno.com (William K Hibbert)
Subject: [2626] wb2vuo: Anonymous Model 100 Software
Message-ID: <19960814.072244.4807.2.wb2vuo@juno.com>

This is a repeat. The first posting seems to have gotten lost in the ozone...

73, Keith, WB2VUO

----- Begin forwarded message -----

From: wb2vuo
Subject: Anonymous Model 100 Software
From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: David Adams <dave@flowserver.stem.com>
Subject: [2618] We have Digital Display!
Message-ID: <9608140611.AA02908@flowserver.stem.com>

Well, I got my wife to help me with the digital dexterity work (fat fingers you know). First thing I did was to replace the NTE312 with a J309...problem solved...moral nte bad...j309 goog (at least in wayne's excellent work...if he says "Use this part", use it!

Anyway, next comes the s meter...I checked all the parts...no meter...played with r7...no meter....re-soldered all related components...meter...

Go figure...

Keyer next....(had to wire directly to key as I still do not have a jack...tomorrow...)...works fine....

Wattmeter...breadboarded the suggested circuit...cludged it on...we have meter! I'll make a little pcb to shrink this a bit...

And go figure...I had aligned the explorer using a dx440 general coverage as a freq counter and set it for a range of 100khz....I have 99.3khz...go figure....

Bob asked me to write it up for the wilderness manual so I'll put my babbles of the last few days into nice neat format for y'all...

Oh joy....

73 de dave, n9uxu\

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: Bill Acito 14-Aug-1996 1535 <acito@asdg.ENET.dec.com>
Subject: [2651] re: "QRP AField", Sept. 21, 1996/One NM Site
Message-ID: <9608141942.AA08718@us1rmc.bb.dec.com>

Jay et al,

Glad to hear you talking it up out there.

Chet, if you're listening, we may need a rule interpretation.

I'm planning to either run mobile from a lighthouse some where along the New England Coast, or possibly from the QRP-NE Field Day site (in this case, the 'towers' are windmills). Most locations like this will have a dawn to dusk restriction. If I run partially from a remote location, and run from home after the sun goes down, how would that get scored?

hmmmm.... maybe I'll go mobile rover... from lighthouse to lighthouse... :-)) Nubble, to Portland Head, to Scituate...

b

. - I own my own words -

Bill Acito

acito@asdg.enet.dec.com

|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

KC1GS

qrp-ne qrp-1 arci norcal amsat-na arrl-life

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: Dave.Ackrill@Westwood45.powergen.co.uk
Subject: [2634] Re: 30/17/12M QRP
Message-ID: <960814144436Z*/G=Dave/S=Ackrill/O=Westwood45/PRMD=POWERGEN/ADMD=CWMAIL/C=GB/@MHS>

In case I confused anyone out there with my previous message,

G0 calls are full class "A" calls, not novices. The reason why I was keen to point out that UK Novices cannot use all of the 30M was that I used to be a Novice instructor, and used to try to encourage Novices to use the 30M band. Some of them pointed out,

quite rightly, that the "Novice" segment was much higher than a lot of the activity and that even the recommended QRP frequency of 10.106 and the alternative of 10.116MHz were outside of their allocation.

FYI Novices in the UK use 2*0 plus three letters (HF and VHF) and 2*1 plus three letters (VHF only), where the "*" is a letter showing where the station is being operated from. E.g., 2M1XXX would be a VHF only novice in Scotland and 2W1XXX would be the same person operating from Wales.

So, whilst I'm in the position of being able to roam from 10.100 to 10.150MHz, other UK licensees are not as fortunate and I was keen to try to encourage the idea of looking further up the band.

Perhaps we should use 10.135 MHz?

Cheers de Dave (G0DJA)

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: Peter Barville <peter@barville.demon.co.uk>
Subject: [2642] Re: 30/17/12M QRP
Message-ID: <5eoXhAAyHhEyEwnC@barville.demon.co.uk>

>

> Perhaps we should use 10.135 MHz?

Think you might run into qrm from data transmissions Dave. We have enough trouble with that around 7030 and 14060! There are also some ssb stations who tend to operate this high in the band, would you believe! Whilst I agree it would be nice to find a freq which the novices can also use, I am very reluctant to encourage yet another move. It has been hard enough getting people to look around 10116, instead of 10106.

72

--

Peter G3XJS

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
Subject: [2619] Re: Basic solution to Up/Low Case Problem
Message-ID: <Pine.OSF.3.95.960814004416.26960A-100000@duke.usask.ca>

Your basic program is all in upper case. I guess it was a program that was just shouting to be written ;-)

Brian.

```
+-----+
| Brian Buydens, Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca |
| VE5RDV |
+-----+
| "If I had only known, I would have been a locksmith." |
| -- Albert Einstein |
+-----+
```

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: Mike Bryce <73357.222@CompuServe.COM>
Subject: chage of address

Effective September 1 1996

All QRP ARCI mail MUST be sent to this following:

Mike Bryce
QRP ARCI Membership
P. O. Box 508
Massillon OH 44648-00508

ALL MAIL SENT TO THE OLD ADDRESS WILL BE RETURN TO SENDER!

This is MOST important. We will be moving (after 18 years) and the new owners will NOT forward any mail to me. They will mark "return to sender" and drop back into the mail.
END OF STORY!

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: John D Young <jdy@whitney.ufl.edu>
Subject: [2630] Re: chalk line antenna reel
Message-ID: <Pine.LNX.3.91.960814085747.763A-100000@whitney.ufl.edu>

On Tue, 13 Aug 1996, burro wrote:

> John: Read your post with great interest. I have had the same idea for

> some time and would like to try to make such an antenna. The problem is
> where does one locate the wire you mentioned? I know exactly what it is
> and have used it in the past. It would be perfect. Please reply if you
> have any ideas. Tnx fer now and 73's Barry WB6LDL
>

Barry

The information on the package and spool is:

ANTENNA ASSEMBLY
AS-207/CRT-3 FOR AN/CRT-3A
5985-00-369-5409

Made by CMJ corporation, Richmond, IN
55641 (may be part number)

EITD list address as
CMJ Corp
106 Ft Wayne Ave
Richmond IN 47374
1-800-966-2265
listed as making braided wire

What kind of deal could they work for a group buy.

The wire is 18 awg overall made of 16 strands of copper over some
type of yellow fiber that will not melt or burn with a 700 deg weller iron.

You might want to check with Fair Radio in Lima OH for a start. Now that
the Coast Guard is not keeping watch on 500khz cw these radios may be
showing up in surplus.

73/72

John WA8KNE

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: "David D. Meacham" <ddm@datatamers.com>
Subject: [2646] Re: EPHIPHYTE 2
Message-ID: <Pine.LNX.3.91.960814114127.10454A-100000@dt1.datatamers.com>

Frank,

See page 22 of the June, 1996 QRPP for important PCB mods.
72, Dave, W6EMD

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996

Hmmm, think I missed something good here, could someone put up the url for this page....thanks
72, Greg KD4HZ

```
> Hi gang,  
>  
> I wondered if the contraption (Portable Antenna) pictured on Frank's web  
> page would really work since I hadn't seen any postings from anyone who had  
> built and used it, so I built one in the proverbial 35mm film can as  
> pictured and I can assure everyone it does work fine.
```

From owner-qrp-l@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: John D Young <jdy@whitney.ufl.edu>
Subject: [2633] Re Magnifying lamp
Message-ID: <Pine.LNX.3.91.960814100145.1038A-1000000@whitney.ufl.edu>

You will love the lamp! I have been using one for years at work and could not function without it. I have modified mine to be 'bifocal' by attaching a 1 inch plastic lens with clear aquarium cement. In a thin layer the cement is clear and I now have a small area with much higher power for the really fine details.

From owner-grp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996

From: Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>
Subject: [2669] Re: message numbers in digest
Message-ID: <96Aug14.231436-0400edt.65735-18193+212@hooch.CC.Lehigh.EDU>

> I receive the digest version of the QRP-L list and have noticed
> something strange in the numbering of messages.

John,

I believe this must have broken when we upgraded to a version of the list server that runs multiple processes. Seems to be a result of processing two QRP-L items (like a post and a "bounce") at the same time. I hadn't noticed it, thanks for pointing it out. Will attempt to fix it (and not break something else in the process :-)) as soon as possible.

73
Jim N3VXI

From owner-qrp-l@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: moyle@essc.psu.edu (Alfred M. Moyle)
Subject: [2632] Re: OZ7C on 30m - legit?
Message-ID: <9608141351.AA24032@seismic.geosc.psu.edu>

>Hi all,
>
>Did any else hear OZ7C yesterday (22:30Z) on 10.111? He was abt S9, very
>loud, calling CQ and came back to me right away with 559. I was running 4.5
>watts from my Kenwood 850 so I don't think I blasted anybody in Denmark (?).
>
>Honestly, he sounded a lil too good for DX but had a pileup going. Is this a
>legit operator and has/did anyone else work him?
>
>72, Roy KE4KDT Norcal QRP-L ARCI ARRL
> Prestonsburg, KY

Roy,

Yes, I have worked him ... 3 times in fact, including last evening! I don't know if he is legit. I thought he sounded a little too loud (OK, a lot too loud) to be true ... unless he's running considerably more than the 200W allowed by law on 30m ;-). I assume that other countries are bound by the same rules we are (<= 200 W , CW/RTTY/DATA only) ... still, I've heard plenty of other funny stuff on 30 m, like the Spanish-speaking SSB pirates (that is illegal on 30, isn't it?). I've also been hearing that weak warbly signal at 10.1165 every morning (mentioned in another recent posting to the

list).

72,
Al Moyle N3KFL

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: "Kerry W. Miller" <kmiller@flash.net>
Subject: [2664] Re: Power measurement
Message-ID: <2.2.32.19960815013748.006773f8@pop.flash.net>

At 08:41 PM 8/14/96 -0400, you wrote:

>

>It would seem that to get an accurate measurement of power output, one would
>want to test the power on the antenna side of a tuner.

Yep, but most meters won't read accurately unless they are looking into the
proper impedance. If the SWR is high, the meter sorta' goes nuts, like
showing more power on the output of the tuner than you are putting in!

If there's a good way to do it, it would be nice to measure power on both
sides of the tuner, just to satisfy my own curiosity...

Kerry
WD5ABC

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: jeffa@ix.netcom.com (Jeff Anderson)
Subject: [2627] Re: San Jose, CA places to goto?????
Message-ID: <199608141143.EAA28343@dfw-ix2.ix.netcom.com>

Haltek (Loma Linda (?) in Mountain View
- parts, some computer stuff, old test gear

Weird Stuff - just off Lawrence in Santa Clara
- some computer stuff

Halted - near Lawrence & Central in Santa Clara
- parts, some computer stuff, old test gear

RA Enterprises - De la Cruz in San Jose
- some computer stuff, old test gear, and some very weird
things indeed!

Altronics - Zanker in San Jose
- parts, some computer stuff, old test gear

Call them for actual directions
- Jeff, WA6AHL

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [2638] Re: Soldering Iron
Message-ID: <199608141817.SAA06870@mail.enterprise.net>

All my work is done with an Antex 25 watt iron, yes even for IC's. I think you are more likely to damage components by using a low wattage iron applied for longer than a quick job with a 25 watt'er - but I await other replies to see what else folk think. Resin cored solder is what I have used for 25 years and see no reason for change.

Whatever iron you get, have at least one spare tip. I get through about three a year...

Cheers.

--

Frank G3YCC
Ham Radio QRP Web Page:
<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: chuckolson@juno.com (Chuck Olson)
Subject: [2672] Re: Soldering Iron
Message-ID: <19960814.225517.4807.0.chuckolson@juno.com>

On Tue, 13 Aug 1996 18:40:11 +0100 "Frank G3YCC" <g3ycc@enterprise.net> writes:

>Whatever iron you get, have at least one spare tip. I get through
>about three a year...

Frank -

I used to have this problem also until I switched to an iron plated tip - they will outlast the heating element. They cost a little more but they're worth the extra expense. You also don't have to do any filing of the tip as you do with plain copper.

Best Regards,

Chuck
WB9KZY
Washington Island, WI 54246

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: George Dorner <gdorner@kiwi.pyrotechnics.com>
Subject: [2624] Re: Teaching Slide Rule
Message-ID: <Pine.LNX.3.91.960814053040.23319A-100000@kiwi.pyrotechnics.com>

As I type now there is a Pickett Model N4-ES Vector-Type Log-Log DUAL-BASE SPEED RULE hanging directly above my head. At the community college where I teach we also had the K&E Log-Log deci-duplex which was white and about 50 percent bigger than the Pickett, a copy of the one I bought in 1956 as a senior in high school. It may still be there in our museum of antiquities.

While I have been an HP booster since we used the desktop 9810 calculator with pen plotter in the early 70s, the TI-92 is far superior for math courses now. The display, full ASCII keyboard, built-in CAS (Computer Algebra System, in this case much of the Derive program) and CABRI geometry program really can't be matched on any HP ... yet. For matrices and linear algebra it looks a lot like MatLAB. I hope they have something coming down the pike which will challenge it AND have a better learning curve for new users.

The TI calculators have been developed with lots of cooperation from the academic math community (which may just reinforce the engineering community in their support of HPs!), chiefly DeManna and Waits of Ohio State - real mathematicians who have thought about what should be in a calculator to make learning and using math easier and have bounced their ideas off many others. TI supports schools and colleges better now - I have three graphic calculators and three LCD panels in my office which I did not pay for (didn't steal 'em either!) and the same is true of most of my colleagues.

We require graphic calculators in all algebra and calculus courses now. The standard to now has been the TI-82, but now it will quickly be superceded by the TI-83, which only costs about \$10 more, has oodles of business math and statistics built in, and has a better LCD panel with joystick-like control. I don't maintain that those who learned and love their HPs and have mastered RPN should switch, but newcomers should look closely before buying. Advice parallel to that on the thread about keyers could be given here.

geo/w9zsj

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: "C. J. Hawley" <c-hawley@uiuc.edu>
Subject: [2649] Re: Teaching Slide Rule
Message-ID: <321227DE.34EB@uiuc.edu>

George Dorner wrote:

> joystick-like control. I don't maintain that those who learned and love
> their HPs and have mastered RPN should switch, but newcomers should look

There's nothing to master.....that's the neat thing about RPN. You just
have to do a function when you can and trust the thing.

Chuck, KE9UW

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: George Dorner <gdorner@kiwi.pyrotechnics.com>
Subject: [2665] Re: Teaching Slide Rule
Message-ID: <Pine.LNX.3.91.960814210641.32026B-100000@kiwi.pyrotechnics.com>

>
> There's nothing to master.....that's the neat thing about RPN. You just
> have to do a function when you can and trust the thing.
>
The word 'do' here assumes that RPN and stack operations are "intuitively
clear" - this is so only to those who already know them.

geo

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: JDuffy@aol.com
Subject: [2671] Re: TenTec Teaser
Message-ID: <960815000047_456846534@emout10.mail.aol.com>

I believe it is their new amp to compete against the other 811 based amps
from Ameritron.

Regards,

Duffy - WB8NUT

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: George Dorner <gdorner@kiwi.pyrotechnics.com>
Subject: [2666] Re: Time for a better 30m rig...a testimonial via TMPS
Message-ID: <Pine.LNX.3.91.960814211416.32026D-100000@kiwi.pyrotechnics.com>

I read all your messages about 30m and yearned to get on that band where I haven't been for some time. Alas, no rig covering 30. Then I bought the SW-30 advertised for sale here by Jess, N0THI, just before I went off to Atlanta for the Olympics (I competed in Crowd Negotiation, Long and Late Transportation Modes, and Exorbitant Coke and Hot Dog Prices. No gold medals.)

As soon as I got back I put this little dandy on the air. As a result, here is my first TMPS report:

(Well, phooie! I had it all written out and have misplaced it! I'll put the actual report in another message when I find it.)

Anyway, that's 33 QSOs since August 4, with 24 states and one province. The audio, keying, and QSK on this rig are fine. I got tired of using earphones and found a neat answer to that -- see another message which follows.

I didn't work too hard at this, but I am off work at the moment so these contacts were spread around the clock. My antenna is a full 160m loop which is pretty good for stateside contacts on any band. I use a Super CMOS I keyer.

Thanks to Jess for putting the rig together and breaking it in. I intend to keep at it.

BTW, conditions sure seemed strange during the last 10 days. Were they?

geo/w9zsj

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: Craig LaBarge <74740.3166@compuserve.com>

Subject: [2663] Re: TMPS: Where' DELAWARE?
Message-ID: <960815010526_74740.3166_EHB53-1@CompuServe.COM>

Joe, KC7NEV, wrote:

>I've been offline for about a week now (swamped at the
>office as usual), but didn't some kind soul here offer
>to drive out to Delaware for QRP Afield? I'd be willing
>to fund this little DXpedition with Pop Tarts, Jolt Cola,
>and any other essentials necessary for the undertaking. :-)

I was the "kind soul." I'm heading down to Delaware this weekend to check out some potential sites for QRP Afield. One in particular is a state park just across the border from PA, so it's less than an hour away. Unfortunately, during QRP Afield I'll only be on 40 meters and running 950 mW. So, I'll be a tough one to work from Arizona!

However, if the site works out, I might make an inpromptu DE-xpedition on 30 meters sometime before QAF comes around. Maybe over Labor Day weekend. I'll keep the list posted.

73, Craig WB3GCK

P.S. With a belly full of Pop Tarts and Jolt Cola, I could probably send at 50 WPM!

From owner-qrp-1@Lehigh.EDU Wed Aug 14 23:13:36 1996
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [2647] Re: Toroids and Dans Small Parts
Message-ID: <199608141911.NAA21782@zia.aoc.nrao.edu>

Try again here ...

Latest address for Buckeye Electronics I have is
buckeye@alpha.wcoil.com

And yes, he does have good prices on toroids and a few other things.

72, Paul NA5N